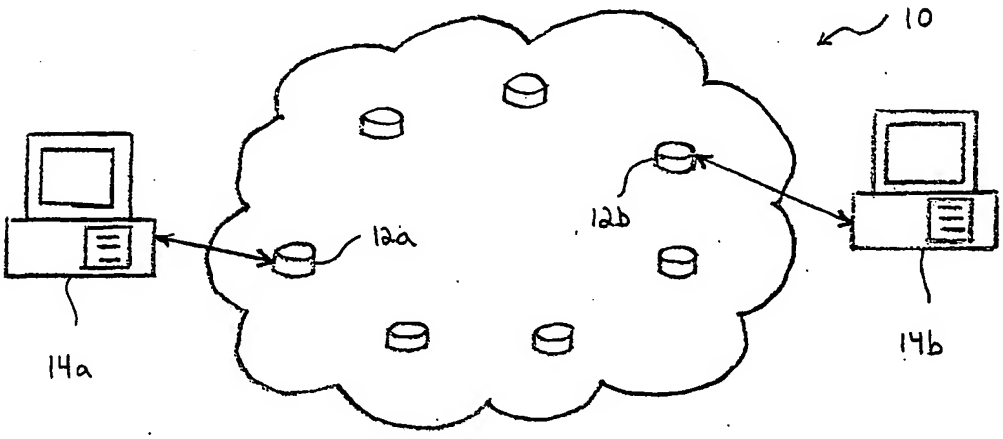

10
12a
12b
14a
14b

FIG. 1

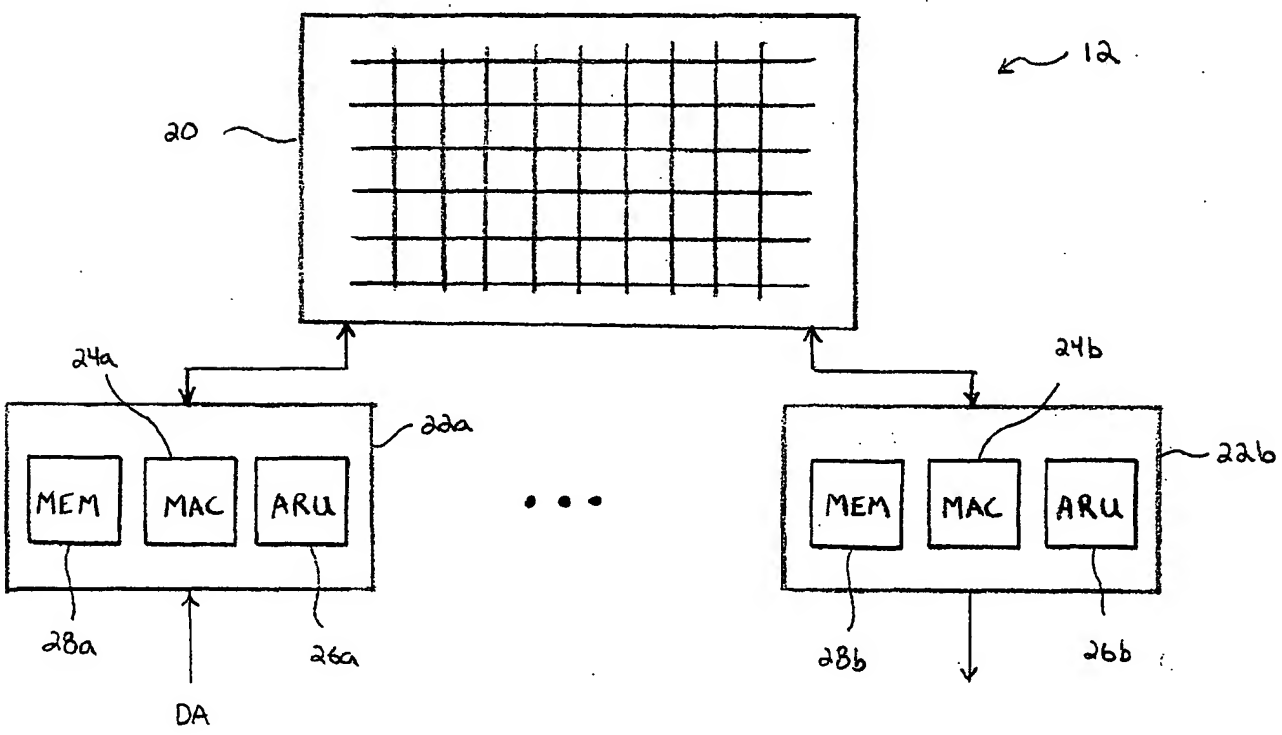

12
20
24a
24b
22a
22b
MEM
MAC
ARU
MEM
MAC
ARU
28a
26a
28b
26b
DA

FIG. 2

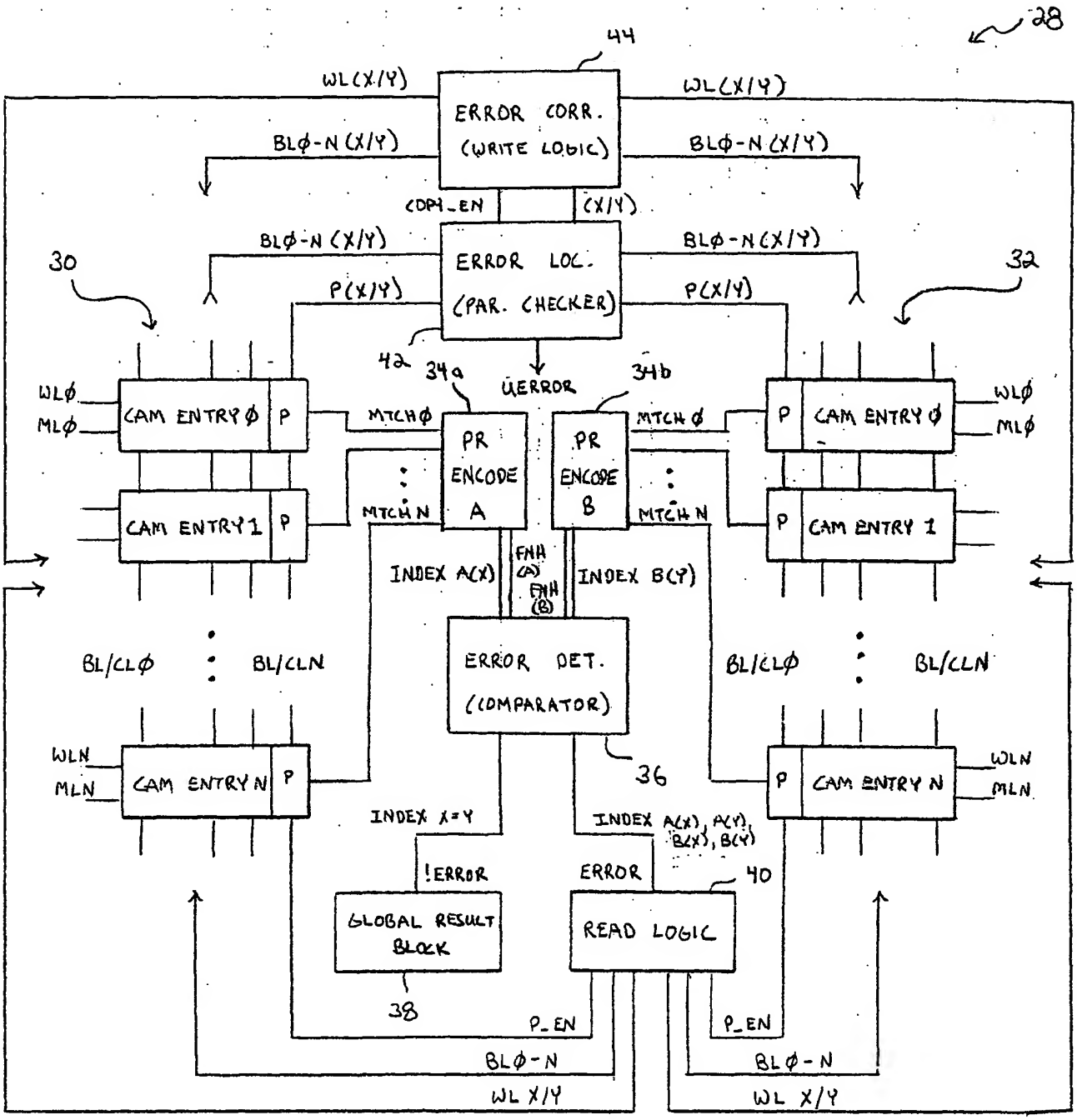

28
44
WL(X/Y)
ERROR CORR. (WRITE LOGIC)
WL(X/Y)
BLϕ-N(X/Y)
BLϕ-N(X/Y)
COPY_EN
(X/Y)
BLϕ-N(X/Y)
ERROR LOC. (PAR. CHECKER)
BLϕ-N(X/Y)
30
P(X/Y)
P(X/Y)
32
42
34a
!ERROR
34b
WLϕ
MLϕ
CAM ENTRY ϕ
P
MTCH ϕ
PR ENCODE A
PR ENCODE B
MTCH ϕ
P
CAM ENTRY ϕ
WLϕ
MLϕ
CAM ENTRY 1
P
MTCH N
MTCH N
P
CAM ENTRY 1
INDEX A(X)
FNH (A)
FNH (B)
INDEX B(Y)
BL/CLϕ
BL/CLN
ERROR DET. (COMPARATOR)
BL/CLϕ
BL/CLN
WLN
MLN
CAM ENTRY N
P
36
P
CAM ENTRY N
WLN
MLN
INDEX X=Y
INDEX A(X), A(Y), B(X), B(Y)
!ERROR
ERROR
40
GLOBAL RESULT BLOCK
READ LOGIC
38
P_EN
P_EN
BLϕ-N
BLϕ-N
WL X/Y
WL X/Y

FIG. 3

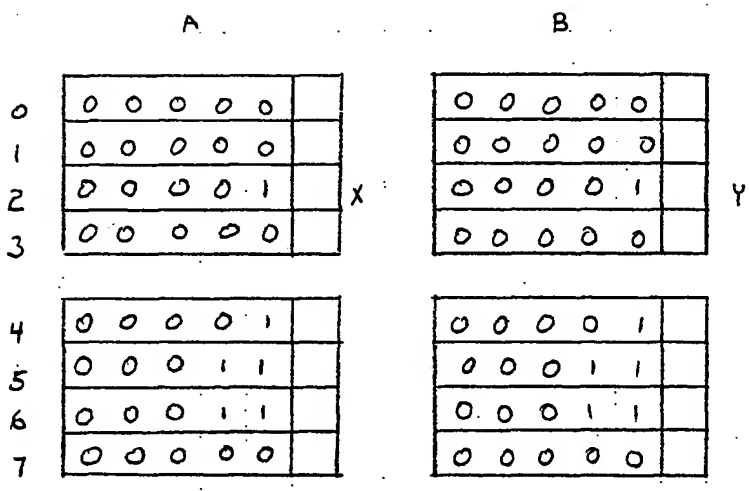


FIG. 4a

A(X) = B(Y) = 2 ; ! ERROR

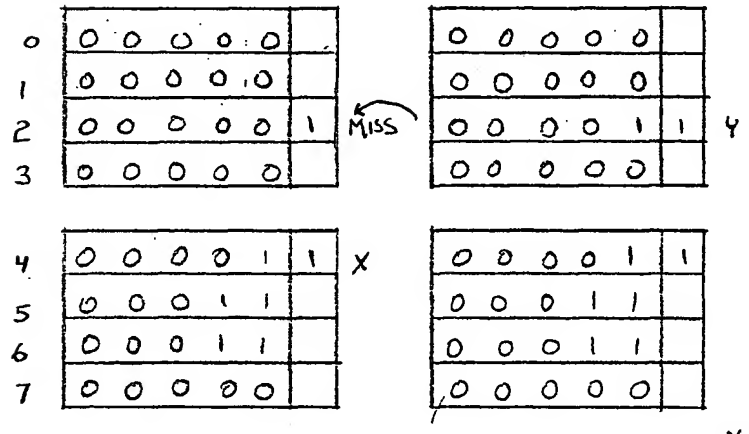


FIG. 4b

A(X) = 4, B(Y) = 2 ; ERROR
READ ⇒ A(X), A(Y), B(X), B(Y)

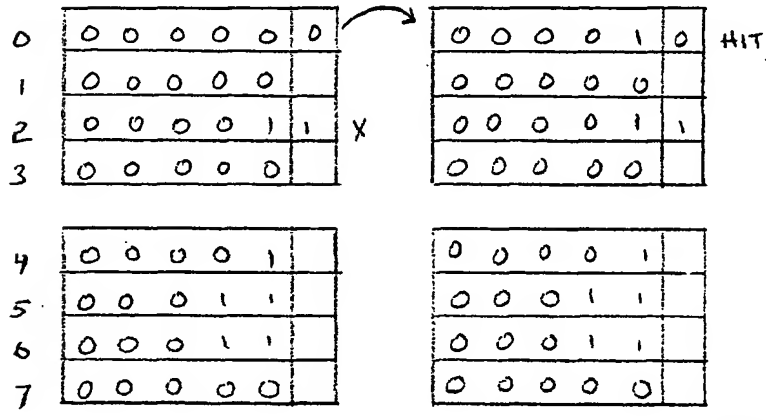


FIG. 4c

A(X) = 2, B(Y) = 0 ; ERROR
READ ⇒ A(X), A(Y), B(X), B(Y)

BEST AVAILABLE COPY

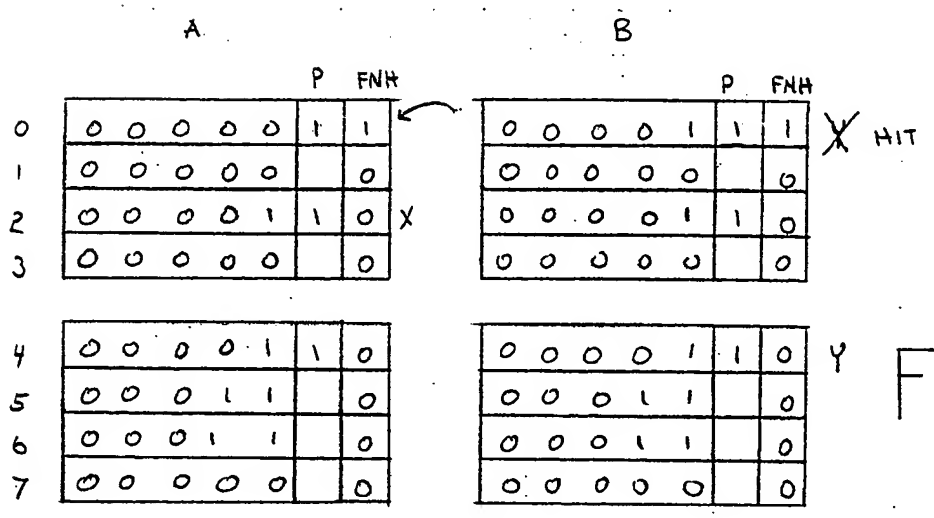


FIG. 5

A(X) = 2, B(Y) = 4; ERROR
READ ⇒ A(X), A(Y), B(X), B(Y)
READ ⇒ FNH = "1" ⇒ A(0), B(0)

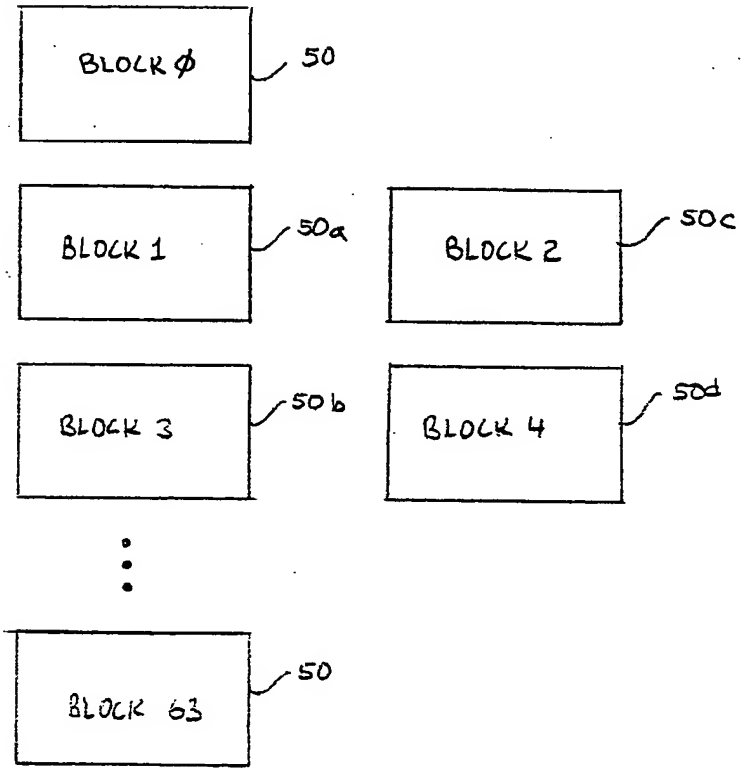
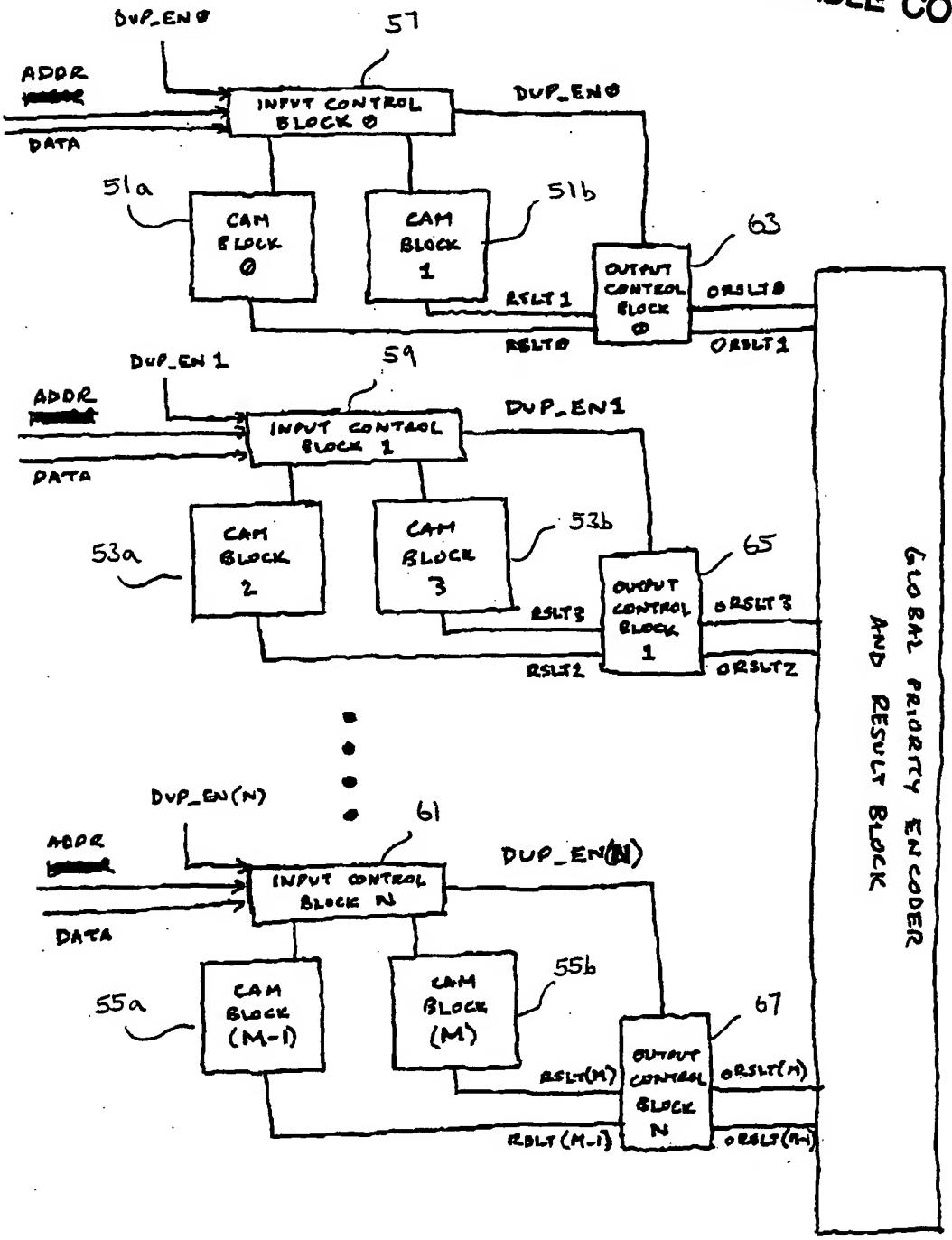


FIG. 6

FIG. 7

BEST AVAILABLE COPY



BEST AVAILABLE COPY

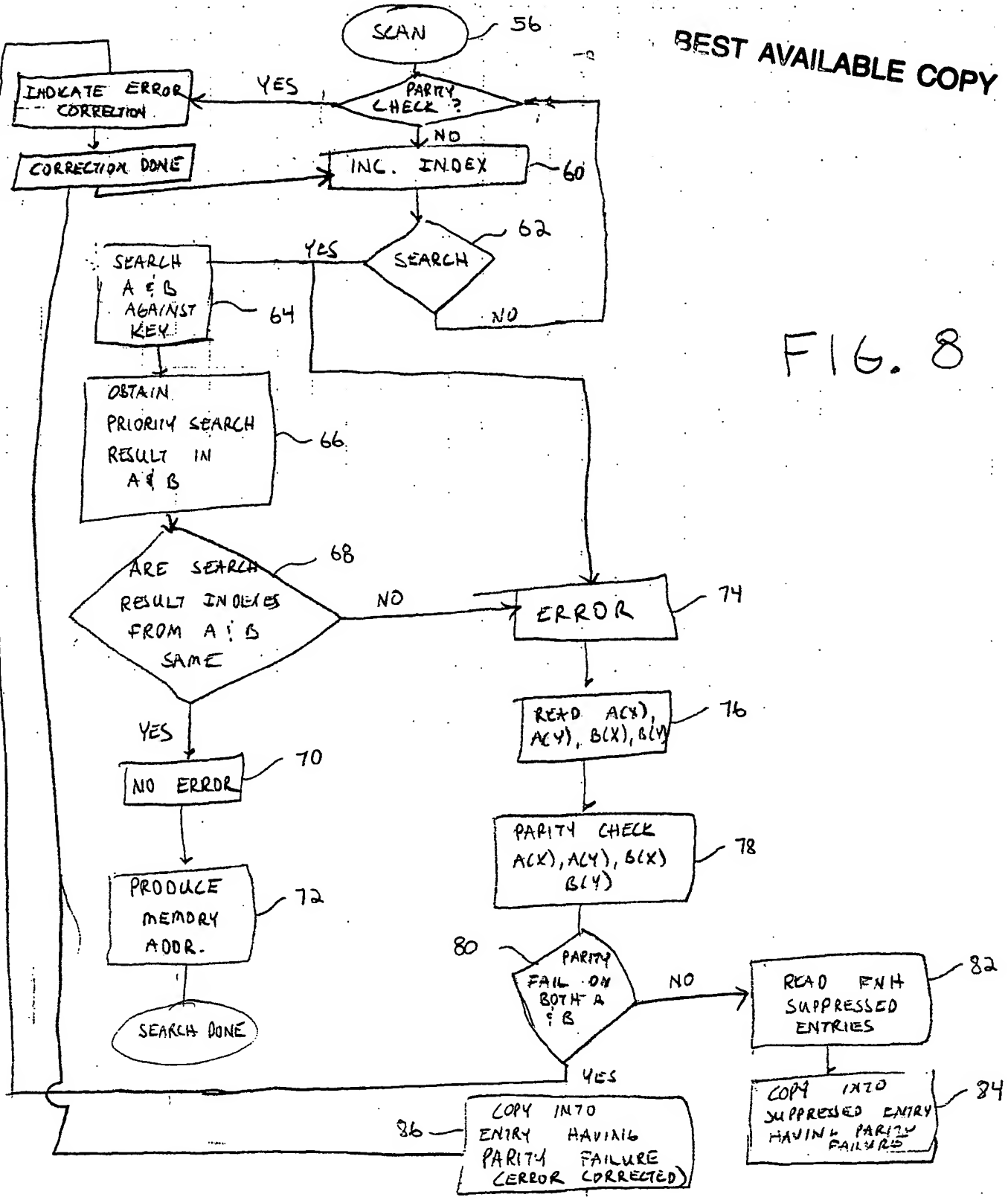


FIG. 8